Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/27/2022 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124616	-1	1.62	124497	1.53
Blue	F	SSC	125000	124554	-1	3.21	125041	3.07
Blue	E	FITC	15860	15373	-4	2.32	375	14.26
Blue	D	PE	27718	27294	-2	1.80	638	10.06
Blue	B	PerCP-Cy5-5	38046	37402	-2	3.02	1021	15.08
Blue	A	PE-Cy7	26092	26121	0	4.96	508	31.17
Red	C	APC	49104	48654	-1	2.68	1713	11.35
Red	A	APC-Cy7	28201	27586	-3	3.09	728	12.35
Violet	B	V450	9904	9549	-4	3.62	534	11.69
Violet	A	V500	39004	37695	-4	3.20	986	9.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23772	1.82	563	-6	N/A	N/A	Pass
Blue	F	SSC	55731	1.73	521	-7	N/A	N/A	Pass
Blue	E	FITC	57	51.89	490	-1	0.0380	0	Pass
Blue	D	PE	124	36.20	496	0	0.4138	249	Pass
Blue	B	PerCP-Cy5-5	140	44.33	588	-1	0.0190	46	Pass
Blue	A	PE-Cy7	63	94.35	631	-1	0.0209	0	Pass
Red	C	APC	330	26.16	579	-2	0.0281	138	Pass
Red	A	APC-Cy7	98	42.10	551	-4	0.0061	1079	Pass
Violet	B	V450	87	48.79	460	2	0.0538	2036	Pass
Violet	A	V500	123	34.73	471	2	0.0242	1483	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.84	-31.65	1.11
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.68	13.90 - 20.86	N/A	N/A	30.09	30.18	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 13491

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments